The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/522,106
Source: PCT
Date Processed by STIC: 2-2-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.2.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

PCT

RAW SEQUENCE LISTING   DATE: 02/02/2005
PATENT APPLICATION: US/10/522,106   TIME: 15:31:41

        Input Set : A:\Sequence Listing.txt
        Output Set: N:\CRF4\02022005\J522106.raw

      2 <110> APPLICANT: Kogel, Karl-Heinz
      3   Huckelhoven, Ralph
      4   Trujillo, Marco
      6 <120> TITLE OF INVENTION: Method for Obtaining a Pathogen Resistance in Plants
      8 <130> FILE REFERENCE: 532622010500
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/522,106
     11 <141> CURRENT FILING DATE: 2005-01-24
     13 <160> NUMBER OF SEQ ID NOS: 24
     14 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

     45 <210> SEQ ID NO: 2
     46 <211> LENGTH: 112
     47 <212> TYPE: PRT
     48 <213> ORGANISM: Hordeum vulgare
W--> 49 <400> SEQUENCE: 2
     50 Phe Lys Gly Ile Met Asn Glu Ile Ala Glu Leu Asp Gln Arg Asn Ile
     51 1   5   10   15
     52 Ile Glu Met His Asn Tyr Leu Thr Ser Val Tyr Glu Glu Gly Asp Ala
     53   20   25   30
     54 Arg Ser Ala Leu Ile Thr Met Leu Gln Ala Leu Asn His Ala Lys Asn
     55   35   40   45
E--> 56 Gly Val Asp Val Val Ser Xaa Thr Arg Val Arg Thr His Phe Ala Arg
     57   50   55   60
     58 Pro Asn Phe Lys Arg Val Leu Ser Lys Val Ala Ala Lys His Pro Tyr
     59 65   70   75   80
     60 Ala Lys Ile Gly Val Phe Tyr Cys Gly Ala Pro Val Leu Ala Gln Glu
     61   85   90   95
     62 Leu Ser Asn Leu Cys His Glu Phe Asn Gly Lys Cys Thr Thr Lys Phe
     63   100   105   110
   2181 <210> SEQ ID NO: 16
   2182 <211> LENGTH: 939
   2183 <212> TYPE: PRT
   2184 <213> ORGANISM: Nicotiana tabacum
W-->2185 <400> SEQUENCE: 16
   2186 Met Gln Asn Ser Glu Asn His His Pro His His Gln His His His Ser
   2187 1   5   10   15
   2188 Asp Thr Glu Ile Ile Gly Asn Asp Arg Ala Ser Tyr Ser Gly Pro Leu
   2189   20   25   30
   2190 Ser Gly Pro Leu Asn Lys Arg Gly Gly Lys Lys Ser Ala Arg Phe Asn
   2191   35   40   45

pls explain "Xaa" location. Does Not Comply Corrected Diskette Needed (PJ.1, 3) See error explanation on page 5.

```
2192 Ile Pro Glu Ser Thr Asp Ile Gly Thr Ser Val Gly Thr Gly Gly Lys
2193      50                  55                  60
2194 Ser Asn Asp Asp Ala Tyr Val Glu Ile Thr Leu Asp Val Arg Glu Asp
2195 65                  70                  75                  80
2196 Ser Val Ala Val His Ser Val Lys Thr Ala Gly Gly Asp Asp Val Glu
2197                  85                  90                  95
2198 Asp Pro Glu Leu Ala Leu Leu Ala Lys Gly Leu Glu Lys Lys Ser Thr
2199              100                 105                 110
2200 Leu Gly Ser Ser Leu Val Arg Asn Ala Ser Ser Arg Ile Arg Gln Val
2201              115                 120                 125
2202 Ser Gln Glu Leu Arg Arg Leu Ala Ser Leu Asn Lys Arg Pro Ile Pro
2203          130                 135                 140
2204 Thr Gly Arg Phe Asp Arg Asn Lys Ser Ala Ala Ala His Ala Leu Lys
2205 145                 150                 155                 160
2206 Gly Leu Lys Phe Ile Ser Lys Thr Asp Gly Gly Ala Gly Trp Ala Ala
2207              165                 170                 175
2208 Val Glu Lys Arg Phe Asp Glu Ile Thr Ala Ser Thr Thr Gly Leu Leu
2209              180                 185                 190
2210 Pro Arg Ala Lys Phe Gly Glu Cys Ile Gly Met Asn Lys Glu Ser Lys
2211          195                 200                 205
2212 Glu Phe Ala Val Glu Leu Tyr Asp Ala Leu Ala Arg Arg Arg Asn Ile
2213          210                 215                 220
2214 Thr Thr Asp Ser Ile Asn Lys Ala Gln Leu Lys Glu Phe Trp Asp Gln
2215 225                 230                 235                 240
2216 Val Ala Asp Gln Ser Phe Asp Ser Arg Leu Gln Thr Phe Phe Asp Met
2217              245                 250                 255
2218 Val Asp Lys Asp Ala Asp Gly Arg Ile Thr Glu Glu Glu Val Arg Glu
2219              260                 265                 270
2220 Ile Ile Gly Leu Ser Ala Ser Ala Asn Arg Leu Ser Thr Ile Gln Lys
2221          275                 280                 285
2222 Gln Ala Asp Glu Tyr Ala Ala Met Ile Met Glu Glu Leu Asp Pro Asn
2223          290                 295                 300
2224 Asn Leu Gly Tyr Ile Met Ile Glu Asn Leu Glu Met Leu Leu Leu Gln
2225 305                 310                 315                 320
2226 Ala Pro Asn Gln Ser Val Gln Arg Gly Gly Glu Ser Arg Asn Leu Ser
2227              325                 330                 335
2228 Gln Met Leu Ser Gln Lys Leu Lys His Thr Gln Glu Arg Asn Pro Ile
2229              340                 345                 350
2230 Val Arg Trp Tyr Lys Ser Phe Met Tyr Phe Leu Leu Asp Asn Trp Gln
2231          355                 360                 365
2232 Arg Val Trp Val Leu Leu Leu Trp Ile Gly Ile Met Ala Gly Leu Phe
2233          370                 375                 380
2234 Thr Trp Lys Tyr Ile Gln Tyr Lys Glu Lys Ala Ala Tyr Lys Val Met
2235 385                 390                 395                 400
2236 Gly Pro Cys Val Cys Phe Ala Lys Gly Ala Ala Glu Thr Leu Lys Leu
2237              405                 410                 415
2238 Asn Met Ala Ile Ile Leu Phe Pro Val Cys Arg Asn Thr Ile Thr Trp
2239          420                 425                 430
2240 Leu Arg Asn Lys Thr Arg Leu Gly Ala Ala Val Pro Phe Asp Asp Asn
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/522,106

DATE: 02/02/2005
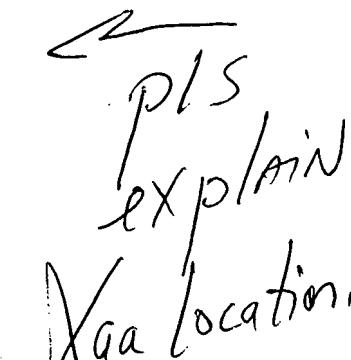TIME: 15:31:42

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\02022005\J522106.raw

```
2241           435                   440                   445
2242 Leu Asn Phe His Lys Val Ile Ala Val Ala Ile Ala Leu Gly Val Gly
2243      450                   455                   460
2244 Ile His Gly Leu Ser His Leu Thr Cys Asp Phe Pro Arg Leu Leu Asn
2245 465                   470                   475                   480
2246 Ala Ser Glu Glu Glu Tyr Glu Pro Met Lys Tyr Tyr Phe Gly Asp Gln
2247               485                   490                   495
2248 Pro Glu Ser Tyr Trp Trp Phe Ile Lys Gly Val Glu Gly Val Thr Gly
2249           500                   505                   510
2250 Ile Ile Met Val Val Leu Met Ala Ile Ala Phe Thr Leu Ala Thr Pro
2251      515                   520                   525
2252 Trp Phe Arg Arg Asn Arg Val Ser Leu Pro Lys Pro Phe His Lys Leu
2253      530                   535                   540
E--> 2254 Thr Gly Xaa Asn Ala Phe Trp Tyr Ser His His Leu Phe Val Ile Val
2255 545                   550                   555                   560
2256 Tyr Thr Leu Phe Ile Val His Gly Glu Lys Leu Tyr Ile Thr Lys Asp
2257               565                   570                   575
2258 Trp Tyr Lys Arg Thr Asp Met Asp Val Leu Leu Thr Ile Pro Ile Ile
2259           580                   585                   590
2260 Leu Tyr Ala Ser Glu Arg Leu Ile Arg Ala Phe Arg Ser Ser Ile Lys
2261           595                   600                   605
2262 Ala Val Lys Ile Leu Lys Val Ala Val Tyr Pro Gly Asn Val Leu Ala
2263      610                   615                   620
2264 Leu His Met Ser Lys Pro Gln Gly Tyr Lys Tyr Lys Ser Gly Gln Tyr
2265 625                   630                   635                   640
2266 Met Phe Val Asn Cys Ala Ala Val Ser Pro Phe Glu Trp His Pro Phe
2267               645                   650                   655
2268 Ser Ile Thr Ser Ala Pro Gly Asp Asp Tyr Leu Ser Val His Ile Arg
2269           660                   665                   670
2270 Thr Leu Gly Asp Trp Thr Arg Gln Leu Lys Thr Val Phe Ser Glu Val
2271           675                   680                   685
2272 Cys Gln Pro Pro Pro Asn Gly Lys Ser Gly Leu Leu Arg Ala Asp Tyr
2273      690                   695                   700
2274 Leu Gln Gly Glu Asn Asn Pro Asn Phe Pro Arg Val Leu Ile Asp Gly
2275 705                   710                   715                   720
2276 Pro Tyr Gly Ala Pro Ala Gln Asp Tyr Lys Lys Tyr Glu Val Val Leu
2277               725                   730                   735
2278 Leu Val Gly Leu Gly Ile Gly Ala Thr Pro Met Ile Ser Ile Val Lys
2279           740                   745                   750
2280 Asp Ile Val Asn Asn Met Lys Ala Met Asp Glu Glu Glu Asn Ser Leu
2281           755                   760                   765
2282 Glu Asp Gly His Asn Asn Asn Met Ala Pro Asn Ser Ser Pro Asn Ile
2283      770                   775                   780
2284 Ala Lys Asn Lys Gly Asn Lys Ser Gly Ser Ala Ser Gly Gly Asn Asn
2285 785                   790                   795                   800
2286 Phe Asn Thr Arg Arg Ala Tyr Phe Tyr Trp Val Thr Arg Glu Gln Gly
2287               805                   810                   815
2288 Ser Phe Asp Trp Phe Lys Gly Ile Met Asn Glu Ala Ala Glu Met Asp
2289           820                   825                   830
```

```
2290 His Lys Gly Val Ile Glu Met His Asn Tyr Cys Thr Ser Val Tyr Glu
2291         835             840             845
2292 Glu Gly Asp Ala Arg Ser Ala Leu Ile Thr Met Leu Gln Ser Leu His
2293         850             855             860
2294 His Ala Lys Asn Gly Val Asp Ile Val Ser Gly Thr Arg Val Lys Ser
2295 865             870             875                 880
2296 His Phe Ala Lys Pro Asn Trp Arg Asn Val Tyr Lys Arg Ile Ala Leu
2297             885             890             895
2298 Asn His Pro Glu Ala Lys Val Gly Val Phe Tyr Cys Gly Ala Pro Ala
2299         900             905             910
2300 Leu Thr Lys Glu Leu Arg Gln His Ala Leu Asp Phe Ser His Lys Thr
2301         915             920             925
2302 Ser Thr Lys Phe Asp Phe His Lys Glu Asn Phe
2303         930             935
```

VARIABLE LOCATION SUMMARY   DATE: 02/02/2005
PATENT APPLICATION: US/10/522,106   TIME: 15:31:43

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\02022005\J522106.raw,

Error Explanation:

Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:1; Xaa Pos. 55
Seq#:2; Xaa Pos. 55
Seq#:15; N Pos. 1952
Seq#:15; Xaa Pos. 547
Seq#:16; Xaa Pos. 547

```
L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:15 M:283 W: Missing Blank Line separator, <210> field identifier
L:19 M:283 W: Missing Blank Line separator, <220> field identifier
L:23 M:283 W: Missing Blank Line separator, <400> field identifier
L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:193
L:49 M:283 W: Missing Blank Line separator, <400> field identifier
L:56 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:69 M:283 W: Missing Blank Line separator, <220> field identifier
L:73 M:283 W: Missing Blank Line separator, <400> field identifier
L:255 M:283 W: Missing Blank Line separator, <400> field identifier
L:379 M:283 W: Missing Blank Line separator, <220> field identifier
L:383 M:283 W: Missing Blank Line separator, <400> field identifier
L:570 M:283 W: Missing Blank Line separator, <400> field identifier
L:698 M:283 W: Missing Blank Line separator, <220> field identifier
L:702 M:283 W: Missing Blank Line separator, <400> field identifier
L:904 M:283 W: Missing Blank Line separator, <400> field identifier
L:1032 M:283 W: Missing Blank Line separator, <220> field identifier
L:1036 M:283 W: Missing Blank Line separator, <400> field identifier
L:1234 M:283 W: Missing Blank Line separator, <400> field identifier
L:1364 M:283 W: Missing Blank Line separator, <220> field identifier
L:1368 M:283 W: Missing Blank Line separator, <400> field identifier
L:1556 M:283 W: Missing Blank Line separator, <400> field identifier
L:1680 M:283 W: Missing Blank Line separator, <220> field identifier
L:1684 M:283 W: Missing Blank Line separator, <400> field identifier
L:1868 M:283 W: Missing Blank Line separator, <400> field identifier
L:1990 M:283 W: Missing Blank Line separator, <220> field identifier
L:1994 M:283 W: Missing Blank Line separator, <400> field identifier
L:2102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1935
M:341 Repeated in SeqNo=15
L:2185 M:283 W: Missing Blank Line separator, <400> field identifier
L:2254 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16
L:2309 M:283 W: Missing Blank Line separator, <220> field identifier
L:2313 M:283 W: Missing Blank Line separator, <400> field identifier
L:2477 M:283 W: Missing Blank Line separator, <400> field identifier
L:2589 M:283 W: Missing Blank Line separator, <220> field identifier
L:2593 M:283 W: Missing Blank Line separator, <400> field identifier
L:2763 M:283 W: Missing Blank Line separator, <400> field identifier
L:2879 M:283 W: Missing Blank Line separator, <220> field identifier
L:2883 M:283 W: Missing Blank Line separator, <400> field identifier
L:3059 M:283 W: Missing Blank Line separator, <400> field identifier
L:3179 M:283 W: Missing Blank Line separator, <220> field identifier
L:3182 M:283 W: Missing Blank Line separator, <400> field identifier
L:3190 M:283 W: Missing Blank Line separator, <220> field identifier
L:3193 M:283 W: Missing Blank Line separator, <400> field identifier
```